

Product datasheet for **VC100754**

coat protein VP3 (NC_002058) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	coat protein VP3 (NC_002058) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	coat protein VP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100754 represents NCBI reference of NP_740470 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGTCTTCTGTGATGAACACACCCGGCAGCAATCAATATCTGACGGCCGACAACTTTCAGTCTCCCT
GTGCCCTCCGGAGTTTGACGTGACCCACCCATCGACATTCAGGTGAAGTGAAGAATGATGGAGCT
TGCAGAAATTGACACCATGATTCATTGATTTGAGCGCAACAAAGAAGAATACAATGGAGATGTATCGG
GTGCGCCTCAGTGATAAGCCTCATACGGACGACCCATCCTCTGTCTTAGCCTTTCCCGCATCTGACC
CTAGACTTTCACATACAATGCTGGGGGAGATCCTGAACTACTATACACATTGGGCTGGCTCTCTAAATT
TACTTTTCTGTTTGTGGCTTTATGATGGCCACCGGAAAGCTTCTGGTCAGTTACGCACCCCTGGTGCC
GATCCTCCAAAGAAACGAAAGGAAGCAATGTTGGGGACCCACGTGATATGGGATATCGGATTGCAGAGTT
CTTGTACTATGGTGGTTCCATGGATCTCCAACACTACTTACCGGCAGACCATCGACGATAGCTTTACGGA
GGGGGGATACATTAGCGTTTCTACCAGACTCGCATCGTGGTACCCCTGAGTACCCCGAGGAAATGGAC
ATTTTGGGGTTTGTGAGTGGTGAATGACTTCAGCGTTAGACTGCTTAGGGACACCACCATATCGAAC
AAAAAGCCCTGGCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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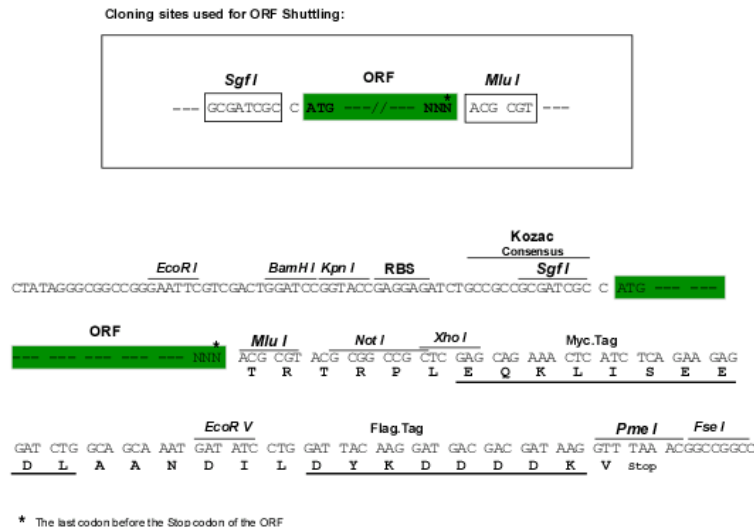
Protein Sequence: >VC100754 representing NP_740470
 Red=Cloning sites Green=Tags

MGLPVMNTPGSNQYL TADNFQSPCALPEFDVTPPIDIPGEVKNMELAEIDTMIPFDLSATKKNMEMYR
 VRLSDKPHTDDPILCLSLSPASDPRLSHTMLGEILNYYTHWAGSLKFTFLFCGFMMATGKLLVSYAPPGA
 DPPKKRKEAMLGTHVIWDIGLQSSCTMVVPWISNTTYRQTIDDSFTEGGYISVFYQTRIVVPLSTPREMD
 ILGFVSACNDFSRLRLDTHIEQKALAQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_002058

ORF Size: 717 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NC_002058.3, NP_740470
RefSeq ORF: 717 bp
MW: 26.7 kDa